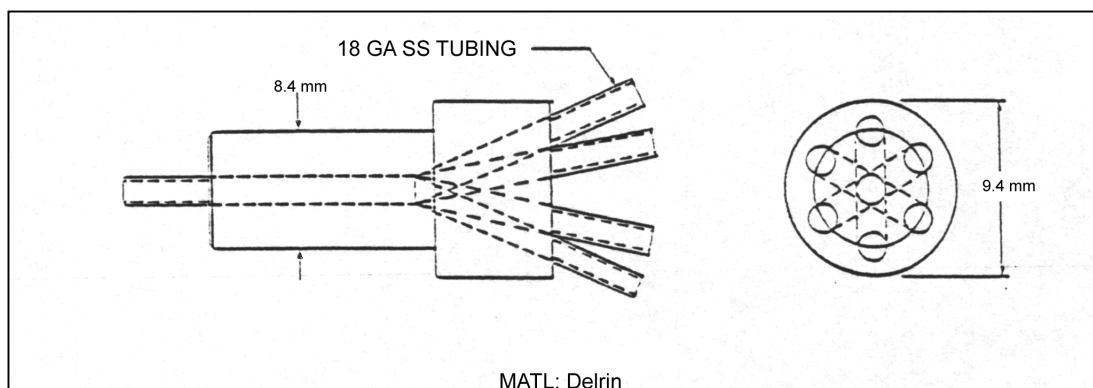


MPP Series Chamber Manifolds

Multiple Solution Perfusion for Pressurized Systems

Introduction

Nearly zero dead space is achieved with the MPP Series Perfusion Manifolds. Manifolds are available with connections from 2 to 8 inputs (excluding 7) to a single outlet port. Inlets converge to a single outlet as shown below. Inputs and output connections are 18 gauge stainless steel hypodermic tubing compatible with PE-160 polyethylene tubing. The PE tubing slides over the input and output ports providing a tight, leak-proof connection.



MPP Series manifolds are available in the following configurations

<u>Manifold</u>	<u>Input/output</u>
MPP-2	2 to 1
MPP-3	3 to 1
MPP-4	4 to 1
MPP-5	5 to 1
MPP-6	6 to 1
MPP-8	8 to 1

Instructions for use

Use a sharp bladed tool to minimize distortion of the cut end when cutting PE tubing. A new, single edge razor blade or sharp scalpel works well for this purpose. To make a connection, grip the PE tubing close to the cut end and slide it onto the input or output port. Make an attachment of approximately 3 mm (1/8") since this will provide a good seal and permit easy removal.

NOTES:

1. Do not attempt to pull the tubing free when removing them from the manifold, but rather push the tubing off with a forcep or the edge of your fingernail.
2. The valves controlling the solution flow must be shut off with zero leakage to minimize backflow in any unused input line.
3. Keep PE lines between valves and the manifold as short as possible.